## Index of Claims 10/ Exa

Application/Control No.

Applicant(s)/Patent under Reexamination

10/790,558

Examiner

Lester L. Vanterpool

Applicant(s)/Patent under Reexamination

ARINELLI, VICTOR M.

3727

| , | Rejected | 1 | (Through numeral) Cancelled |  |  |  |  |  |  |
|---|----------|---|-----------------------------|--|--|--|--|--|--|
| = | Allowed  | + | Restricted                  |  |  |  |  |  |  |

| <br>N | Non-Elected  | A |  |
|-------|--------------|---|--|
|       | Interference | 0 |  |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| - Older     |            |         |          |               |   |                      |          |         |  |              |       |          |          |             |  |  |   |       |              |            |          |   |  |          |   |          |          |          |
|-------------|------------|---------|----------|---------------|---|----------------------|----------|---------|--|--------------|-------|----------|----------|-------------|--|--|---|-------|--------------|------------|----------|---|--|----------|---|----------|----------|----------|
| Cla         | Claim Date |         |          | Ctaim Date    |   |                      |          |         |  | ᅴ            | ::    | CI       | aim      | Date        |  |  |   |       |              |            |          |   |  |          |   |          |          |          |
| Final       | Ortginal   | 8/18/06 |          |               |   | •                    |          |         |  |              | Final | Original |          |             |  | ·  |   |       | Final        | Original   |          |   |  |          |   |          |          |          |
|             | V          | ₹       | Ш        |               |   |                      |          | $\perp$ | $\perp$  | ] ::[        |       | 51       | $\perp$  |             | Ш  |  | Ц | ::    |              | 101        | _        |   | L  |          | Ш | _        |          |          |
|             | Z          | 7       |          |               |   |                      |          |         |  |              |       | 52       |          |             |  | 1 L  | Ш |       |              | 102        | _        |   | _  | $\perp$  | Ц |          | _        |          |
|             | m          | 7       | Ц        |               |   | $\Box$               | $\perp$  | ᆚ       |  | J∷I          |       | 53       | $\bot$   |             | $\bot$   | $oldsymbol{\perp}oldsymbol{\perp}$   | Ц |       |              | 103        | _        | 4   | _  |          | Ш | _        | 4        |          |
|             | X          | 1       | Ш        |               |   |                      |          | ᆚ       |  | J∷I          |       | 54       | $\dashv$ |             | $\bot\bot$                                       | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | Ш |       |              | 104        | _        |   | 1_   | L        | Ц | _        | 4        |          |
|             | 5          | 1       | Ш        |               |   |                      | $\perp$  | _       | $\bot$   |              |       | 55       | _ _      |             | $oldsymbol{\sqcup}$                              |  | Ц |       |              | 105        | _        |   | ┸-   |          | Ш | _        | _        |          |
|             | 6          | 1       | Ш        |               |   |                      | ᆚ        | ┸       |  |              |       | 56       | $\dashv$ |             | Щ  |  | Ш |       | L            | 106        | 4        |   | 1_   |          | Ц | _        | _        |          |
|             | 7          | 3       | Ш        |               |   |                      |          | ┸       | $\perp$  | 1::1         |       | 57       |          |             | Ш  | $oldsymbol{oldsymbol{\sqcup}}$   | Ц |       |              | 107        | 4        |   | <u> </u>   |          | Ц | _        | 4        | _        |
|             | 8          | 7       | Ц        |               | Ш | 1                    | 4        | 4       | 4-   | ا∷ا          |       | 58       |          |             | ++   | <b>↓</b> ↓   | Н | **    |              | 108        | 4        | -   | 1.   | <b>⊢</b> | Ш | _        | 4        |          |
|             | 9          | 7       | Ц        | _             | Ш | Н                    | 4        | 4       | 4  | 401          |       | 59       | $\dashv$ | _           | ++   | <del>     </del> -   | Н |       |              | 109        | -        | +   | +  | ⊢        | Н | 4        | -        | _        |
| <u> </u>    | 10         | 7       | Ш        | _             | Щ | Ш                    |          | _       | _  | 1831         |       | 60       | $\dashv$ | —           | <del>                                     </del> | Н-   | Ш | • ; ; |              | 110        | 4        | +   | ╄  | ╄        | Ш | -        | 4        |          |
|             | 11         | ₹       | Ш        |               |   | Н                    | 4        | 4       |  | I::I         |       | 61       |          | -           | ₩  | ++-  | Н |       |              | 111        | $\dashv$ | +   | +  | _        | Н | $\dashv$ | -        |          |
|             | 12         | 7       | Н        | _             | Н | Н                    | +        | - -     |  | 4∷           |       | 62       | $\dashv$ |             | +  | +  | Н |       | <u> </u>     | 112        | -        | $\dashv$  | ╁  | ⊢        | Н | $\dashv$ | -        |          |
|             | 18         | 7       | Н        | _             | Н | $\vdash$             | -        | -       |  | 1:::1        |       | 63       |          | -           | ╀  | <del>                                     </del>   | Н |       |              | 113        | 4        | -   | +-   | ┢        | Н | -        | -        | _        |
| ⊢∸          | (4)        | গ্ৰ     | $\vdash$ | _             | Н | $\vdash \downarrow$  | -        | +       | +  | 433          |       | 64       | $\dashv$ |             | ++   | +  | Н |       | <del></del>  | 114<br>115 | +        | +   | ╁  | +        | Н | $\dashv$ | -        | <u>.</u> |
|             | 15         | 7       | Н        | _             | Н | $\vdash$             | -        | +       | ╇  | -t∷l         |       | 65       |          | -           | ++   | <del>-                                    </del>   | Н |       | ⊢            |            | $\dashv$ | +   | +-   | ╁╌       | Н | $\dashv$ | $\dashv$ | —        |
| <b>—</b>    | 16         | 7       | Н        | _             | Н | $\vdash \vdash$      | +        | +       | +  | <b>-</b> [∷] |       | 66<br>67 | $\dashv$ | +           | ++   | + 1  | Н | ::::  | <del> </del> | 116<br>117 | $\dashv$ |   | ╁  | ╁        | - | $\dashv$ | $\dashv$ | _        |
|             | 18         | ì       | Н        |               | Н | $\vdash$             | -        | +       | +-   | -{∷}         |       | 68       | ++       |             | ╁┼   | <del>  </del>  | Н |       | $\vdash$     | 118        | $\dashv$ | +   | ╁  | ┝        | Н | $\dashv$ | ᆉ        | _        |
| <u> </u>    |            | 1       | Н        | _             | Н | $\vdash$             | +        | +       | +-   | 4::}         |       | 69       |          | -           | ++   | ++-  | Н |       | <u> </u>     | 119        | -+       | +   | +-   | ╌        | Н | $\dashv$ | $\dashv$ |          |
| ├           | 19         | 1       | Н        | _             | Н | ┥                    | +        | ╬       | +  | -            | _     | 70       | ╼╂╾╂     | ┵           | ++   | <del>                                     </del>   | Н |       | _            | 120        | +        | -   | ╁  | ╁        | Н | $\dashv$ | +        |          |
| _           | 20<br>21   | 7       | Н        | _             | H | ${oldsymbol{arphi}}$ | +        | +       | ╫  | -{∷}         |       | 71       | +        | +           | ╫  | ╂╼╂╼   | Н |       |              | 121        | $\dashv$ | +   | ╁╌   | ╁╾       | Н | $\dashv$ | ┥        | _        |
|             | 22         | 7       | Н        | _             | Н | $\vdash$             | +        | ┿       | +  | - 1          |       | 72       | $\dashv$ | -           | ++   | +-+-   | Н |       | $\vdash$     | 122        | ┅        | +   | ┿  | ╁        | Н | $\dashv$ | +        | -        |
|             | 23         | 1       | Н        |               | Н | $\vdash$             | ┰        | ┰       | +-   | -{::}        |       | 73       |          |             | ╁┼   | +-+-   | Н | :::   | _            | 123        | +        | +   | ╁  | $\vdash$ | Н | $\dashv$ | 十        | _        |
| -           | 24         | 1       | Н        | -             | Н | $\vdash$             | ┰        | ┿       | +-   |              |       | 74       |          | +           | 1  | ++   | Н | :::   | <u> </u>     | 124        | +        | - -   | ╅  | ╁        |   | $\dashv$ | $\dashv$ | _        |
| <del></del> | 25         | 1       | Н        | ┝-            | Н | H                    | +        | +       | +  | 1::1         |       | 75       | $\dashv$ | +           | ++   | ++   | Н | :::   | $\vdash$     | 125        | 十        | +   | ╁╴   | $\vdash$ | Н | 7        | 十        | _        |
| ├─          | 28         | ┪       | Н        | _             | Н | H                    | ╅        | +       | +  | 1 : 1        |       | 78       |          |             | ++   | <del>1-1-</del>  | Н |       |              | 126        | +        | 十   | ╈  | ╁┈       | Н | $\dashv$ | 十        | _        |
| <u> </u>    | 27         | i       | Н        | _             | Н | H                    | $\dashv$ | +       | +  | 1::1         |       | 77       | +        |             | ++   | 1  | Н |       | _            | 127        | 十        | +   | +  | $\vdash$ | H | $\dashv$ | ┪        |          |
| <u> </u>    | 28         | i       | Н        | _             | Н | H                    | +        | ╅       | +  | 1::1         |       | 78       | $\dashv$ | -           | ++   | ++-  | Н |       | <b></b>      | 128        | $\dashv$ | +   | +  | $\vdash$ | ┢ | $\dashv$ | ヿ        | _        |
| <del></del> | 29         | 1       | Н        | H             | Н | H                    | -        | 十       | +  | 1::1         |       | 79       | $\dashv$ | $\dashv$    | ++   | +-+-   | Н |       |              | 129        | ┪        | _   | +  | T        | Н | $\dashv$ | ╛        | _        |
| <u> </u>    | 30         | Ì       | Н        | Н             | Н | H                    | . †      | 十       | +  | 1::1         |       | 80       | $\neg$   | _           | ++   | ++-  | Н |       | $\vdash$     | 130        | ヿ        | 十   | 1  | ✝        | Г | П        | ┪        | _        |
| <del></del> | 31         | i       | Н        | -             | Н | H                    | _        | 十       | ╅  | 1::1         |       | 81       | $\dashv$ | _           | ++   | +  | Н |       |              | 131        | 寸        | 十   | 1  | $\vdash$ | Г | П        | ╛        | _        |
| _           | 32         | 1       |          |               | Н | $\vdash$             | _        | 十       | 十  | 1::1         |       | 82       | 11       |             | +  | ++-  | Н |       | $\vdash$     | 132        | 寸        | 十   | 1  |          | Г | $\Box$   | ┪        |          |
|             | 33         | ١į      |          | _             | Н | H                    | +        | 十       | _  | <b>†</b> ∷   |       | 83       | $\dashv$ | $\neg$      | 11   | 11   | Н |       | <u> </u>     | 133        | ┪        | _   | 十  |          | Т | $\neg$   | 7        | _        |
| _           | 34         | 1       |          | _             | Н | H                    | +        | +       | 十  | 1:::1        |       | 84       | $\dashv$ |             | $\top$   | TT   | П |       |              | 134        | 7        | 十   | T  | $\top$   | T | П        | $\neg$   |          |
|             | 35         | 1       | П        | -             |   | П                    | 十        | 十       | ┪  |              |       | 85       |          |             | $\top$   |  | П |       |              | 135        |          | 1   | Т  | Т        |   |          | $\Box$   |          |
|             | 36         | 7       |          | $\overline{}$ | П | П                    | 十        | 7       | $\top$   |              |       | 86       |          |             |  | 111  | П |       |              | 136        | T        | $\neg$  | Т  | Т        |   |          | П        |          |
| -           | 37         | 7       | П        |               | П |                      | T        | 十       | 丁  | 1::          |       | 87       |          | $\neg$      | $\top$   | 177  |   |       |              | 137        |          | T   | Т  | Т        |   |          | $\Box$   |          |
|             | 38         | 7       | П        |               | П | П                    | T        | T       | 丁  | T:::1        |       | 88       |          |             | L  |  | П |       |              | 138        |          |   |  | Τ        |   |          | $\Box$   |          |
|             | 39         | 7       | П        |               | П | П                    |          | T       | Т  |              |       | 89       |          |             | $\Pi\Pi$   | $\Pi$  |   |       |              | 139        | $\Box$   | T   |  |          |   |          |          |          |
|             | 40         | 1       |          |               | Г | П                    | T        | Т       |  | 7:::         |       | 90       |          |             | TT   |  |   |       |              | 140_       |          |   |  |          |   |          | $\Box$   |          |
|             | 41         | 1       |          |               | П |                      |          | T       | $oldsymbol{\mathbb{T}}$  | ]:::[        |       | 91       |          |             | П  |  |   |       |              | 141        | $\Box$   | T   |  |          |   |          |          | Ξ        |
|             | 42         | 1       | П        |               |   |                      |          |         |  | ]:::[        |       | 92       |          |             | $\Box$   |  |   |       |              | 142        | $\Box$   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $oxed{\Box}$   |          |   |          |          |          |
| $\Box$      | 43         | 7       | П        |               | Г | П                    | T        | Т       | $\top$   | 1∷:          |       | 93       |          | Т           | П  | П  | Г | :::   |              | 143        |          |   | Т  | Γ        |   |          | $\Box$   |          |
|             | 44         | 1       |          |               |   |                      | 丁        |         |  | ]:::[        |       | 94       |          |             | П  |  |   |       |              | 144        | $\Box$   | $\perp$   | Ι  |          |   |          |          | _        |
|             | 45         | Γ       |          |               |   |                      | T        |         | I  | ]:::         |       | 95       |          | $\Box \Box$ | $\Pi$  |  |   | :::   |              | 145        | $\Box$   |   | $oldsymbol{\mathbb{L}}$  |          |   |          |          | _        |
|             | 46         | Γ       |          | Γ             |   |                      | $\Box$   | T       | $oldsymbol{ol}}}}}}}}}}}}}}$ | ]:::         |       | 96       |          |             | $\Box$   | $\Box \Box$  |   |       |              | 146        |          |   | Ι  |          |   |          |          |          |
|             | 47         |         |          |               |   | $\Box$               |          | $\Box$  | I  | ]:::[        |       | 97       |          |             | $\prod$  |  |   |       |              | 147        |          |   | $\mathbf{L}$   |          |   |          |          | _        |
|             | 48         | Γ       |          |               |   |                      | $\Box$   | $\Box$  |  | ]∷[          |       | 98       |          | $\Box$      | $\coprod$  |  |   |       |              | 148        |          | $\Box$  | $oldsymbol{ol}}}}}}}}}}}}}}$ |          |   |          | $\Box$   |          |
|             | 49         | Γ       |          | Г             |   |                      |          | $\Box$  | I  | ]:::[        |       | 99       |          | $\Box T$    | $\Pi$  |  |   | :::I  |              | 149        |          |   | Ι  | L        |   |          | $\cdot$  |          |
|             | 50         |         |          |               |   |                      | $\Box$   | $\Box$  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Gamma}}}$  | ]∷[          |       | 100      |          | $\Box$      | $\prod$  |  |   | ]∷:i  |              | 150        |          |   | $\perp$  |          |   |          |          |          |
|             |            | _       |          | _             |   |                      |          |         |  |              |       |          |          |             |  |  |   | • • • |              |            |          |   |  |          |   |          |          |          |